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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/618,494	07/11/2003	James Owen	BEAS-01370US0	5406
-23910	7590	11/20/2007	EXAMINER	
FLIESLER MEYER LLP 650 CALIFORNIA STREET 14TH FLOOR SAN FRANCISCO, CA 94108			KIM, PAUL	
			ART UNIT	PAPER NUMBER
			2161	
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			11/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/618,494	OWEN ET AL.
	Examiner	Art Unit
	Paul Kim	2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 10 September 2007.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-7, 17, 18, 20-25, 34-38, 40-45, 54-58 and 60-65 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-7, 17, 18, 20-25, 34-38, 40-45, 54-58 and 60-65 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 12/07, 06/07, 01/10/07, 10/25/07
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application
 6) Other: _____

DETAILED ACTION

1. This Office action is responsive to the following communication: Amendment filed on 10 September 2007.
2. Claims 1-7, 17-18, 20-25, 34-38, 40-45, 54-58, and 60-65 are pending and present for examination.

Response to Amendment

3. Claims 1, 3, 17-18, 20-21, 34, 36, 38, 40-41, 54, 56, 58 and 60-61 have been amended.
4. Claims 19, 39, 59, and 74 have been cancelled.
5. No claims have been further added.

Information Disclosure Statement

6. The information disclosure statement (IDS) submitted on 26 February 2007, 8 June 2007, 10 September 2007, and 25 October 2007 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Claim Rejections - 35 USC § 112

7. As per the rejections under 35 U.S.C. 112, Applicant's Amendment has been acknowledged and overcome the rejection cited in the prior Office Action. Accordingly, the rejection has been withdrawn.

Claim Rejections - 35 USC § 101

8. As per the rejections under 35 U.S.C. 101, Applicant's Amendment has been acknowledged and overcome the rejection cited in the prior Office Action. Accordingly, the rejection has been withdrawn.

Claim Rejections - 35 USC § 102

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9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

10. **Claims 1-4, 6-7, 17-23, 24-25, 34-42, 44-45, 54-62, 64-65, and 74** are rejected under 35 U.S.C. 102(e) as being anticipated by Park et al (USPGPUB No. 2004/024812, hereinafter referred to as PARK), PCT Filed on 5 November 2001, and published on 5 February 2004.

11. **As per independent claims 1, 17, and 18 and dependent claims 19, 39, and 59, PARK teaches:**

An application program interface (API) embodied on one or more computer readable media, comprising:

a first group of services for integrating content repositories into virtual content repositories (VCRs) {See PARK, Para. [0035], wherein this reads over "an integrate search service for integrating data from various data sources and allowing for search based on search conditions"}, such that they appear and behave as a single content repository;

a second group of services for manipulating information in VCRs {See PARK, Para. [0059], wherein this reads over "the container hash map module 52 fetches the container from the content repository 70 through a repository content manager 61, loads the container on the memory of the service publication server 4, and converts the container into a container document object model (DOM) object"};

a third group of services for searching VCRs {See PARK, Para. [0035], wherein this reads over "an integrate search service for integrating data from various data sources and allowing for search based on search conditions"};

a forth group of services for configuring VCRs {See PARK, Para. [0058], wherein this reads over "the content request API 53 transmits the request to the content transformation module 54"}; and

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wherein the application program interface is compatible with a content repository service provider interface (SPI) {See PARK, Para. [0069], wherein this reads over "the content producer can use the content manipulation API 51 in the service publication server"}.

12. As per dependent claims 2, 20, 40, and 60, PARK teaches:

The application program interface of claim 1 wherein:

the SPI provides a subset of the services available in the API {See PARK, Para. [0057], wherein this reads over "The service publication server 4 is an engine for integrally generating static data and dynamic data and roughly provides a real-time data conversion function including a multimedia conversion function, a program publication function, a content manipulation function, and a user/community and session management function"}.

13. As per dependent claims 3, 21, 41, and 61, PARK teaches:

The application program interface of claim 1 wherein the first group of services comprises:

first functions for authorizing access to content repositories {See PARK, Para. [0070], wherein this reads over "checking the authority of a user or community to access a particular content through the content manipulation API"}; and

second functions for incorporating content repositories into a hierarchical namespace {See PARK, Para. [0035], wherein this reads over "an integrate search service for integrating data from various data sources and allowing for search based on search conditions"}; and

third functions for extending a VCR content model to represent information in content repositories {See PARK, Para. [0059], wherein this reads over "the container hash map module 52 fetches the container from the content repository 70 through a repository content manager 61, loads the container on the memory of the service publication server 4, and converts the container into a container document object model (DOM) object"}.

14. As per dependent claims 4, 22, 42, and 62, PARK teaches:

The application program interface of claim 3 wherein:

authorizing access to content repositories includes providing authentication information to repositories and receiving authentication results from content repositories {See PARK, Para. [0070], wherein this reads over "The user/community and session management function of the service publication server 4 is performed by the user/community and session manager 60. The user/community and session management function includes checking the authority of a user or community to access a particular content through the content manipulation API 51 and recording the users requests through the content request API 53 in the form of logs"}.

15. As per dependent claims 6, 24, 44, and 64, PARK teaches:

The application program interface of claim 3 wherein:

incorporating content repositories into a hierarchical namespace includes representing content repositories as nodes under a single VCR root node {See PARK, Figure 5; and Para. [0035], wherein this reads over "an integrate search service for integrating data from various data sources and allowing for search based on search conditions"}.

16. **As per dependent claims 7, 25, 45, and 65, PARK teaches:**

The application program interface of claim 3 wherein:

extending a VCR content model to represent information in content repositories includes sharing a common representation of content between the API and the SPI {See PARK, Para. [0059], wherein this reads over "the container hash map module 52 fetches the container from the content repository 70 through a repository content manager 61, loads the container on the memory of the service publication server 4, and converts the container into a container document object model (DOM) object"}.

17. **As per independent claims 34, 54, and 74, PARK teaches:**

A method for providing a virtual content repository (VCR) representing at least one content repository, comprising:

providing an application program interface (API) {See PARK, Para. [0058], wherein this reads over "the content request API 53 transmits the request to the content transformation module 54"};

providing a service provider interface (SPI) to be implemented by the at least one content repository {See PARK, Para. [0069], wherein this reads over "the content producer can use the content manipulation API 51 in the service publication server"}; and

wherein the API and the SPI are compatible and share a common content model and a common namespace {See PARK, Para. [0059], wherein this reads over "the container hash map module 52 fetches the container from the content repository 70 through a repository content manager 61, loads the container on the memory of the service publication server 4, and converts the container into a container document object model (DOM) object"}.

18. **As per dependent claims 35 and 55, PARK teaches:**

The method of claim 34 wherein the content model includes:

a set of hierarchically related objects {See PARK, Para. [0041], wherein this reads over "The containers 74 are stored in a directory 72 having a hierarchical structure, and the directory 72 may include one or more sub-directories"}.

19. **As per dependent claims 36 and 56, PARK teaches:**

The method of claim 34 wherein the namespace makes addressable the content in the at least one content repository {See PARK, Para. [0035], wherein this reads over "an integrate search service for integrating data from various data sources and allowing for search based on search conditions"}.

20. **As per dependent claims 37 and 57, PARK teaches:**

The method of claim 34 wherein the API includes:

services for performing operations on the namespace and the content model {See PARK, Para. [0035], wherein this reads over "an integrate search service for integrating data from various data sources and allowing for search based on search conditions"}.

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21. **As per dependent claims 38 and 58, PARK teaches:**

The method of claim 34 wherein the SPI includes:
services for merging contents of the at least one content repository into the
namespace and the content model {See PARK, Para. [0035], wherein this reads over "an
integrate search service for integrating data from various data sources and allowing for search based
on search conditions"}.

Claim Rejections - 35 USC § 103

22. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

23. **Claims 5, 23, 43, and 63** are rejected under 35 U.S.C. 103(a) as being unpatentable over PARK, in view of Official Notice.

24. **As per dependent claims 5, 23, 43, and 63,** the Examiner takes Official Notice that it would have been obvious to one of ordinary skill in the art to utilize Java Authentication and Authorization Service (JAAS) for authorizing access to content repositories since JAAS was widely known and readily used for said authorization purposes at the time the invention was made.

Response to Arguments

25. Applicant's arguments filed 10 September 2007 have been fully considered but they are not persuasive.

a. Rejections under 35 U.S.C. 102(e)

Applicant asserts the argument that "Park is not directed towards an application program interface (API) embodied on one or more computer media." See Amendment, page 11. In response to applicant's arguments, the recitation has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded any patentable

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weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See *In re Hirao*, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

Additionally, Applicant asserts the argument that "Park does not disclose a first group of services for integrating content repositories into virtual content repositories (VCR) such that they appear and behave as a single repository." See Amendment, page 11. The Examiner respectfully disagrees. It is noted that Park discloses an invention that allows integrated data on a single repository to be transmitted to user terminals. See Para. [0035]. Accordingly, wherein a user makes a request to the dynamic search/comparison service, the transmission of the data results from the integrated data sources would appear to the user as if the data had been extracted from a single repository.

Accordingly, the rejections under 35 U.S.C. 102(e) are sustained.

b. Rejections under 35 U.S.C. 103(a)

As per the rejections under 35 U.S.C. 103, Applicant has presented any prior art arguments for overcoming the rejections contained in the prior Office Action. By virtue of dependency, the rejections of Claims 5, 23, 43, and 63 are sustained for the reasons stated above.

Accordingly, the rejections under 35 U.S.C. 103(a) are sustained.

Conclusion

26. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date

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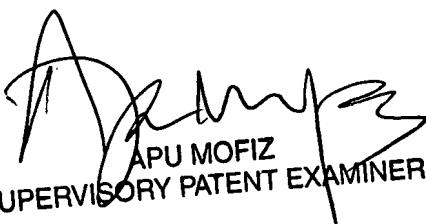
of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

27. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Kim whose telephone number is (571) 272-2737. The examiner can normally be reached on M-F, 9am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Apu Mofiz can be reached on (571) 272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Paul Kim
Patent Examiner, Art Unit 2161
TECH Center 2100



APU MOFIZ
SUPERVISORY PATENT EXAMINER

A handwritten signature of Paul Kim is written over a printed title. The signature is fluid and cursive, appearing to read "APU MOFIZ". Below the signature, the printed title "SUPERVISORY PATENT EXAMINER" is written in a bold, sans-serif font.